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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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12/23/2003

Hye-won Yang

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EXAMINER

THERIAULT, STEVEN B

ART UNIT

PAPER NUMBER

2179

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DELIVERY MODE

01/11/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

AK

Office Action Summary

Application No.

10/743,313

Applicant(s)

YANG, HYE-WON

Examiner

Steven B. Theriault

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,5,8 and 9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,5,8-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
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| <p>1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)</p> <p style="padding-left: 20px;">Paper No(s)/Mail Date _____.</p> | <p>4) <input type="checkbox"/> Interview Summary (PTO-413)</p> <p style="padding-left: 20px;">Paper No(s)/Mail Date. _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
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DETAILED ACTION

1. This action is responsive to the following communications: RCE filed 10/31/2007.
2. Claims 1, 3, 5, 8-9 are pending in the case. Claims 1 and 5 are the independent claims. Claims 2, 4 and 6-7 have been cancelled.

Continued Examination Under 37 CFR 1.114

3. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/2007 has been entered.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
5. **Claims 1, 3, 5, 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kodimer et al. (hereinafter Kodimer) U.S. Patent No. 5781192 issued July 14, 1998, in further view of Goldstein et al. (hereinafter Goldstein) U.S. Publication 20020143985 published Oct. 3, 2002.**

In regard to **Independent claim 1**, Kodimer teaches an apparatus for executing a multi-clipboard, the apparatus comprising:

- A basic clipboard and a multi-clipboard in which data is stored by implementing a copy or cut operation, wherein the latest copied or cut data is stored in the basic clipboard, and other data stored in the basic clipboard is stored in the multi-clipboard if said latest copied or cut data has been stored in the basic clipboard (Kodimer See column 5, lines 39-50).

Kodimer teaches there is always a blank space in the memory stack (basic buffer).

Kodimer shows the stack contains multiple clip boards per application (See figure 6b and 6c). The latest copy will be stored in the blank spot and the other locations will contain previously stored data.

- A multi-clipboard executing unit which displays the data, including the plurality of items stored in the multi-clipboard on the output unit, wherein, if a user input indicating a user's selection of one item of the plurality of items included in the displayed data is received, the multi-clipboard executing unit pastes the selected item of the displayed data (Kodimer figure 9b and column 8, lines 35-57). Kodimer teaches and shows the plurality of items in the multi-clipboard and the user indicating one of the items to paste to the application. The paste command is executed and the item is pasted into the space.

Kodimer does not expressly teach:

- A timer which counts an amount of time after a paste menu is activated (Hinegardner column 4, lines 1-11 and 35-41) Hinegardner discloses a timer that tracks the time interval of user input before performing an operation.
- A basic clipboard executing unit which pastes the data stored in the basic clipboard if the paste menu is selected **before** the amount of time counted by the timer **is greater** than a predetermined amount of time
- if the paste menu is selected after the amount of time counted by the timer is greater than the predetermined amount of time

Goldstein teaches a method of cut/copy and paste operations where the user indicates the specific location they wish to copy information by selecting and holding the keys that correspond

to the cut/copy and paste commands (See Para 0022). Goldstein teaches various techniques for using a variety of timed sequences of keystrokes to control an operation such as paste, which would provide the structure to allow for a timer to count an amount time since a paste key was activated and only performing an operation after a time has elapsed or before. Goldstein teaches using a controller to recognize and calculate the time lapse and indicate to the user that the operation is going to be performed. Kodimer and Goldstein teach clipboard operations and they both teach performing a specific action with the paste and copy commands on the interface.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time of the invention, having the teachings of Kodimer and Goldstein in front of them, to modify the system of Kodimer to include the time delay and keystroke sequences of Goldstein to allow for a specific command to be executed at a point in time. The motivation to combine Goldstein and Kodimer comes from the suggestion in Goldstein that the system can recognize certain keystrokes to indicate the users intent to perform a copy/paste or cut function (See Para 18) for the purposes of using the clipboard in a specific way.

With respect to **dependent claim 3**, Kodimer teaches the apparatus wherein the multi-clipboard executing unit displays the data stored in the multi-clipboard in an order in which the data is stored (Figure 9b and 9c) Kodimer shows the buffers are numbered 1-4.

In regard to **Independent claim 5**, Kodimer teaches a method of executing a multi-clipboard, the method comprising:

- Displaying data, including a plurality of items, stored in a multi-clipboard on the output unit wherein the latest copied or cut data is stored in the basic clipboard, and other data stored in the basic clipboard is stored in the multi-clipboard if said latest copied or cut data has been stored in the basic clipboard (Kodimer See column 5, lines 39-50).

Kodimer teaches there is always a blank space in the memory stack (basic buffer).

Kodimer shows the stack contains multiple clip boards per application (See figure 6b and 6c). The latest copy will be stored in the blank spot and the other locations will contain previously stored data.

- If a user input indicating a user's selection of one item of the plurality of items included in the displayed data is received, the multi-clipboard executing unit pastes the selected item of the displayed data (Kodimer figure 9b and column 8, lines 35-57). Kodimer teaches and shows the plurality of items in the multi-clipboard and the user indicating one of the items to paste to the application. The paste command is executed and the item is pasted into the space.

Kodimer does not expressly teach:

- Determining whether a predetermined amount of time has passed after a paste menu is activated and displaying if the predetermined amount of time has passed.
- Pasting data stored in a basic clipboard if a signal indicating a user's selection to the paste menu is received before the predetermined amount of time has passed

Goldstein teaches a method of cut/copy and paste operations where the user indicates the specific location they wish to copy information by selecting and holding the keys that correspond to the cut/copy and paste commands (See Para 0022). Goldstein teaches various techniques for using a variety of timed sequences of keystrokes to control an operation such as paste, which would provide the structure to allow for a timer to count an amount time since a paste key was activated and only performing an operation after a time has elapsed or before. Goldstein teaches using a controller to recognize and calculate the time lapse and indicate to the user that the operation is going to be performed. Kodimer and Goldstein teach clipboard operations and they both teach performing a specific action with the paste and copy commands on the interface.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time of the invention, having the teachings of Kodimer and Goldstein in front of them, to modify the

system of Kodimer to include the time delay and keystroke sequences of Goldstein to allow for a specific command to be executed at a point in time. The motivation to combine Goldstein and Kodimer comes from the suggestion in Goldstein that the system can recognize certain keystrokes to indicate the users intent to perform a copy/paste or cut function (See Para 18) for the purposes of using the clipboard in a specific way.

With respect to **dependent claim 8**, Kodimer teaches the method wherein step (c) further comprises arranging the data stored in the multi-clipboard in the same order that each item of the data is stored (Figure 9b and 9c) Kodimer shows the buffers are numbered 1-4.

With respect to **dependent claim 9**, Kodimer teaches the method wherein the method further comprises (e) pasting the data stored in the basic clipboard by using paste soft keys (See Para 22).

It is noted that any citation to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. In re Heck, 699 F.2d 1331, 1332-33, 216 USPQ 1038, 1039 (Fed. Cir. 1983) (quoting In re Lemelson, 397 F.2d 1006, 1009, 158 USPQ 275, 277 (CCPA 1968)).

Response to Arguments

6. Applicant's arguments with respect to claims 1, 3, 5, 8-9 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven B. Theriault whose telephone number is (571) 272-5867. The examiner can normally be reached on M, W, F 10:00AM - 8:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Steven B Theriault/
Patent Examiner
Art Unit 2179